

## **Abstract**

The present invention is related to a plastic optical fiber bundle with pitched illumination decorations. A single plastic optical fiber is reeled off and spun through  
5 a spinning nozzle. The surface of the plastic optical fiber is then destructed in a pitched manner based on an appropriate pitched unit before the plastic optical fiber is cooled in a cooling area. When destructing the plastic optical fiber, only the outer layer is destructed without affecting the inner layer to produce a pitched destruction and illumination effect on the surface of the plastic optical fiber. A plastic optical  
10 fiber bundle is formed by individual plastic optical fibers with spaced illumination decorations. An illumination structure is installed on each end of the plastic optical fiber bundle with pitched illumination decorations and a luminary or a spotlight bulb is installed in each illumination structure of the plastic optical fiber bundle with illumination decorations. When the power is turned on, the luminary or spotlight  
15 bulb radiates light through the plastic optical fiber bundle with illumination decorations. The light is very soft without offending to eyes and can be used for different applications.